MM-E460D

DVD MICRO COMPONENT SYSTEM

user manual

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please register your product at

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SAMSUNG

Safety Information

Safety Warnings

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER(OR BACK). NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.	**CAUTION** : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.	This symbol indicates important instructions accompanying the product.

WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION

- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The Mains plug is used as a disconnect device and shall stay readily operable at any time.
- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

CLASS 1	**LASER PRODUCT**
KLASSE 1	**LASER PRODUKT**
LUOKAN 1	**LASER LAITE**
KLASS 1	**LASER APPARAT**
PRODUCTO	**LÁSER CLASE 1**

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION

- INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

Wiring the Main Power Supply Plug (UK Only)

IMPORTANT NOTICE

The main lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and if it requires replacing, a fuse approved to BS1362 of the same rating must be used.
Never use the plug with the fuse cover removed. If the cover is detachable and a replacement is required, it must be of the same colour as the fuse fitted in the plug. Replacement covers are available from your dealer.
If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance.
However, if there is no alternative to cutting off the plug, remove the fuse and then safely dispose of the plug. Do not connect the plug to a main socket as there is a risk of shock hazard from the bared flexible cord.

Never attempt to insert bare wires directly into a main socket. A plug and fuse must be used at all times.

IMPORTANT

The wires in the main lead are coloured in accordance with the following code: BLUE = NEUTRAL

BROWN = LIVE

As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:
The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK.
The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

WARNING : DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E OR BY THE EARTH SYMBOL ⏚ , OR COLOURED GREEN OR GREEN AND YELLOW.

Safety Information

Cautions on Handling and Storing Discs

Small scratches on the disc may reduce sound and picture quality or cause skipping.

Be especially careful not to scratch discs when handling them.

Holding discs

- Do not touch the playback side of the disc.
- Hold the disc by the edges so that fingerprints will not get on the surface.
- Do not stick paper or tape on the disc.

Disc Storage

- Do not keep in direct sunlight
- Keep in a cool ventilated area
- Keep in a clean Protection jacket.
  Store vertically.

NOTE

- Do not allow the discs to become contaminated with dirt.
- Do not load cracked or scratched discs.

Handling and Storing Discs

If you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

- When cleaning, wipe gently from the inside to the outside of the disc

NOTE

- Condensation may form if warm air comes into contact with cold parts inside the product. When condensation forms inside the product, it may not operate correctly. If this occurs, remove the disc and let the product stand for 1 or 2 hours with the power on.

License

- Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.
- ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX,LLC,a subsidiary of Rovi Corporation. This is an official DivX Certified® device that plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.
- ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.
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- This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.
- iPod,iPod classic,iPod nano and iPod touch are trademark of Apple Inc., registered in the U.S. and other countries.

Copyright

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Copy Protection

- Many DVD discs are encoded with copy protection. Because of this, you should only connect your product directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.
- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

Accessories

Check for the supplied accessories below.

Video Cable

FM/DAB Antenna

User's Manual

Remote Control/ Batteries(optional)

Scart Adapter (Europe only)

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Getting Started

Precautions

- Ensure that the AC power supply in your house complies with the identification sticker located on the back of your product.
- Install your product horizontally, on a suitable base (furniture), with enough space around it for ventilation (7.5~10cm).
- Do not place the product on amplifiers or other equipment which may become hot. Make sure the ventilation slots are not covered.
- Do not stack anything on top of the product.
- Before moving the product, ensure the Disc Insert Hole is empty.
- In order to disconnect the product completely from the power supply, remove the AC plug from the wall outlet, especially when left unused for a long period of time.
- During thunderstorms, disconnect the AC plug from the wall outlet. Voltage peaks due to lightning could damage the product.
- Do not expose the product to direct sunlight or other heat sources. This could lead to overheating and malfunction of the product.
- Protect the product from moisture, and excess heat or equipment creating strong magnetic or electric fields (i.e. speakers.).
- Disconnect the power cable from the AC supply if the product malfunctions. Your product is not intended for industrial use.
- Use of this product is for personal use only.
- Condensation may occur if your product or disc has been stored in cold temperatures. If transporting the product during the winter, wait approximately 2 hours until the product has reached room temperature before using.
- The batteries used with this product contain chemicals that are harmful to the environment. Do not dispose of batteries in the general household trash.
- Maintain an open space of approximately 6 inches (15 cm) on the sides and rear of the system, for ventilation purposes.
- Place the loudspeakers at a reasonable distance on either side of the system to ensure good stereo sound.
- Direct the loudspeakers towards the listening area.

Icons that will be used in manual

Make sure to check the following terms before reading the user manual.

Icon	Term	Definition
DVD	DVD	This involves a function available with DVD-Video or DVD±R/±RW discs that have been recorded and finalised in Video Mode.
CD	CD	This involves a function available with a data CD (CD-DA, CD-R/-RW).
MP3	MP3	This involves a function available with CD-R/-RW discs.
JPEG	JPEG	This involves a function available with CD-R/-RW discs.
DivX	DivX	This involves a function available with MPEG4 discs. (DVD±R/±RW, CD-R/-RW)
!	CAUTION	This involves a case where a function does not operate or settings may be canceled.
✎	NOTE	This involves tips or instructions on the page that help each function operate.

- Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance.
- An administration fee may be charged if either
  a. an engineer is called out at your request and there is no defect in the product
     (i.e. where you have failed to read this user manual)
  b. you bring the unit to a repair centre and there is no defect in the product
     (i.e. where you have failed to read this user manual).
- The amount of such administration charge will be advised to you before any work or home visit is carried out.

Disc Types and Characteristics

Region Code

The product and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

Disc Type	Region Code	Area
DVD-VIDEO		The U.S., U.S. territories and Canada
		Europe, Japan, the Middle East, Egypt, South Africa, Greenland
		Taiwan, Korea, the Philippines, Indonesia, Hong Kong
		Mexico, South America, Central America, Australia, New Zealand, Pacific Islands, Caribbean
		Russia, Eastern Europe, India, most of Africa, North Korea, Mongolia
		China

Disc types that can be played

Disc Types & Mark (Logo)	Recorded Signals	Disc Size	Max. Playing Time
DVD-VIDEO	VIDEO	12 cm	Approx. 240 min. (single-sided) Approx. 480 min. (double-sided)
AUDIO-CD	AUDIO	12 cm	74 min.
DIVX	AUDIO + VIDEO	12 cm	–

Do not use the following types of disc!

- LD, CD-G, CD-I, CD-ROM, DVD-ROM and DVD-RAM discs cannot be played on this product. If such discs are played, a <WRONG DISC FORMAT> message appears on the TV screen.
- DVD discs purchased abroad may not play on this product.
  If such discs are played, a <Wrong Region. Please check Disc.> message appears on the TV screen.

Disc Types And Disc Format

This product does not support Secure (DRM) Media files.

CD-R Discs

- Some CD-R discs may not be playable depending on the disc recording device (CD-Recorder or PC) and the condition of the disc.
- Use a 650MB/74 minute CD-R disc.
  Do not use CD-R discs over 700MB/80 minutes as they may not be played back.
- Some CD-RW (Rewritable) media, may not be playable.
- Only CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

CD-R MP3 Discs

- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/ decompression data rate greater than 128Kbps.
- Only files with the ".mp3" and ".MP3" extensions can be played.
- Only a consecutively written multisession disc can be played. If there is a blank segment in the Multisession disc, the disc can be played only up to the blank segment.
- If the disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bit Rate (VBR) format, i.e. files encoded in both low bit rate and high bit rate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- A maximum of 999 tracks can be played per CD.
- A maximum of 250 folders can be played per CD.

CD-R JPEG Discs

- Only files with the "jpg" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the disc can be played only up to the blank segment.
- A maximum of 999 images can be stored on a folder.
- When playing a Kodak/Fuji Picture CD, only the JPEG files in the picture folder can be played.
- Picture discs other than Kodak/Fuji Picture CDs may take longer to start playing or may not play at all.

DVD±R/±RW, CD-R/RW Discs

- Software updates for incompatible formats are not supported.
  (Example : QPEL, GMC, resolution higher than 800 x 600 pixels, etc.)
- If a DVD-R/-RW disc has not been recorded properly in DVD Video format, it will not be playable.

DivX (Digital internet video express)

DivX® is a video file format developed by DivX, Inc and is based on MPEG4 compression technology to provide audio and video data over the Internet in real-time.

MPEG4 is used for video encoding and MP3 for audio encoding, enabling to watch a movie at near DVD-quality video and audio.

Supported Formats (DivX)

This product only supports the following media formats. If both video and audio formats are not supported, the user may experience problems such as broken images or no sound.

Supported Video Formats

Format	Supported Versions
AVI	DivX3.11~DivX5.1
WMV	V1/V2/V3/V7

Supported Audio Formats

Format	Bit Rate	Sampling Frequency
MP3	80~320kbps	44.1khz
WMA	56~128kbps	
AC3	128~384kbps	44.1/48khz

- Aspect Ratio : This product supports up to 720x576 pixels. TV screen resolutions higher than 800 will not be supported.
- When you play a disc whose sampling frequency is higher than 48khz or 320kbps, you may experience shaking on the screen during playback.
- Sections with a high frame rate might not be played while playing a DivX file.
- Since this product only provides encoding formats authorized by DivX Networks, Inc., a DivX file created by the user might not play.

USB Host Specification

USB Host Specification

- Supports USB 1.1 or USB 2.0 compliant devices.
- Supports devices connected using the USB A type cable.
- Supports UMS (USB Mass Storage Device) V1.0 compliant devices.
- Supports the device of which the connected drive is formatted in the FAT (FAT, FAT16, FAT32) file system.

Non-compliance

- Does not support a device that requires installing a separate driver on the PC (Windows).
- Does not support connection to a USB hub.
- A USB device that is connected using the USB extension cable may not be recognized.
- A USB device requiring a separate power source needs to be connected to the product with the separate power connection.

Operational Limitations

- A device supporting USB 1.1 alone may cause a difference in the picture quality, depending on the device.

USB Devices that can be used with the product

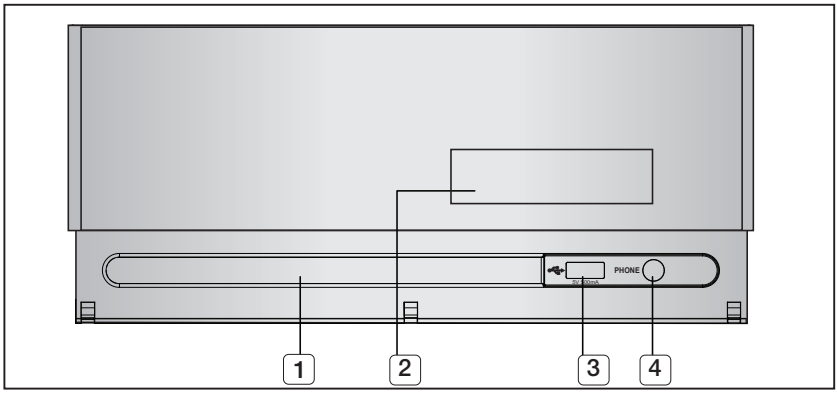
- USB Storage Device, MP3 Player
- Removable HDD
  - Removable HDDs equipped with less than 160 Gbytes are supported. Removable HDDs equipped with 160Gbytes or more may not be recognized, depending on the device.
  - If the connected device does not work due to insufficient power supply, you can use a separate power cable to supply power so that it can work properly. The connector of the USB cable may differ, depending on the manufacturer of the USB device.
- USB card Reader: One slot USB card reader and Multi slot USB card reader.
  - The USB card reader may not be supported, depending on the manufacturer.
  - If you install multiple memory devices into a multi card reader, you may experience problems.

Supported file Formats

Format	Still Picture	Music		Movie	
File name	JPG	MP3	WMA	WMV	DivX
File extension	JPG .JPEG	.MP3	.WMA	.WMV	.AVI
Bit rate	–	80~320 kbps	56~128 kbps	4Mbps	4Mbps
Version	–	–	V8	V1,V2, V3,V7	DivX3.11~ DivX5.1
Pixel	640x480	–	–	720x576	
Sampling Frequency	–	44.1kHz	44.1kHz	44.1KHz~ 48KHz	

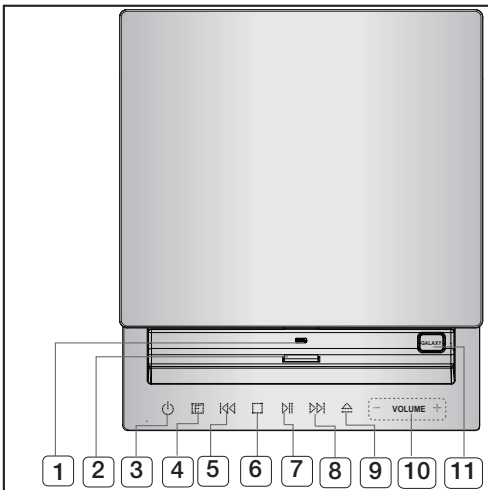
- CBI (Control/Bulk/Interrupt) is not supported.
- Digital Cameras that use PTP protocol or require additional program installation when connected to a PC are not supported.
- Some MP3 players, when connected to this product, may not operate depending on the sector size of their file system.
- The USB host function is not supported if a product that transfers media files by its manufacturer specific program is connected.
- Does not operate with Janus enabled MTP (Media Transfer Protocol) devices.
- The USB host function of this product does not support all USB devices.
- A certain USB, digital camera device, USB card reader or Smart Phone may not be supported.

Front Panel



1. Disc Tray
2. Window Display
3. USB jack
4. Phone jack
   - If you plug the headset connector into the headset jack of the main unit, no sound will be produced further through the speakers.

Top Panel



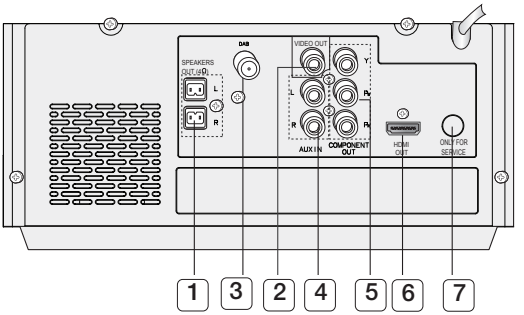
1. Galaxy Dock
2. iPod Dock
3. POWER button
   - Press this button to switch your product.
4. Function button
5. Search/Skip button
6. STOP/Tuning Mode button
7. PLAY/PAUSE button
8. Search/Skip button
9. OPEN/CLOSE button
10. VOLUME control button
11. Galaxy button

USING THE TOUCH BUTTON

- Tap on touch screen with your fingertip.
- To avoid damage to the touch screen, do not use any object other than your fingers to operate it.
- Do not tap on the touch screen if your fingers are not clean.
- Do not tap on the touch screen with gloves on.
- The touch screen may not function if you use your fingernail or other instrument such as a ballpoint pen.

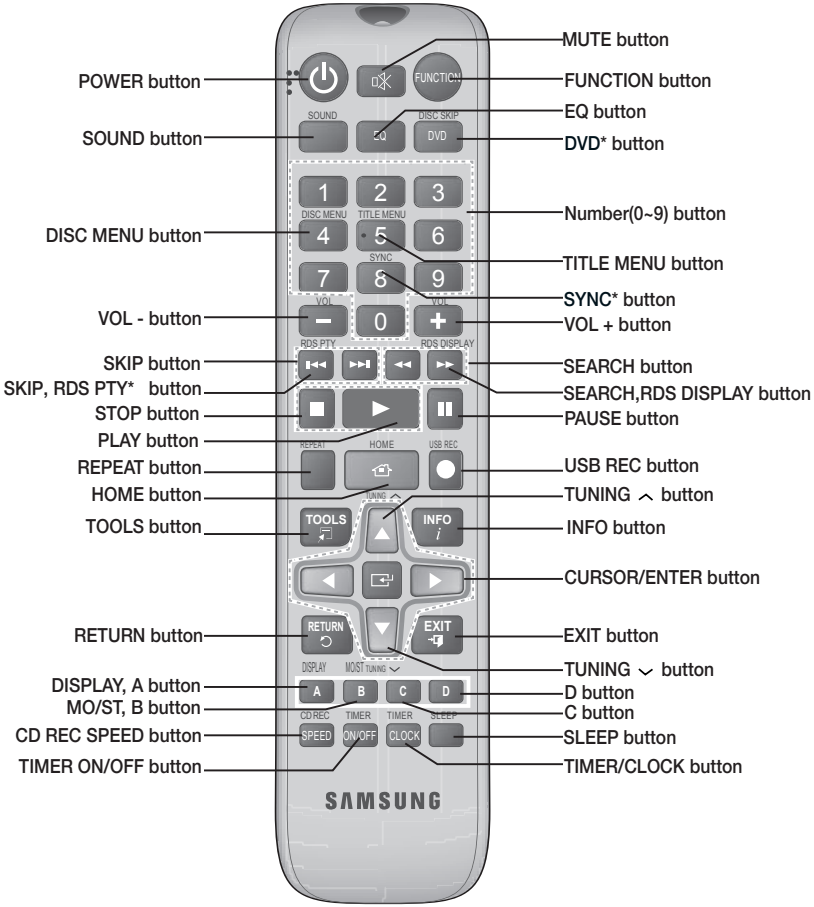
Getting Started

Rear Panel



1	2.0 CHANNEL SPEAKER OUTPUT CONNECTORS	Connect the speakers.
2	VIDEO OUT JACK	Connect your TV's Video Input jack (VIDEO IN) to the VIDEO OUT jack.
3	FM/DAB JACK	Connect the FM/DAB antenna.
4	AUX IN JACK	Connect the Audio Out of the external analog component to the AUX IN jack.
5	COMPONENT VIDEO OUTPUT JACKS	Connect a TV with Component video inputs to these jacks.
6	HDMI OUT JACK	Use an HDMI calbe,connect this HDMI output terminal to the HDMI input termianl on your TV for the best quality picture.
7	ONLY FOR SERVICE	This jack is just for testing, please don't use it.

Tour of the Remote Control



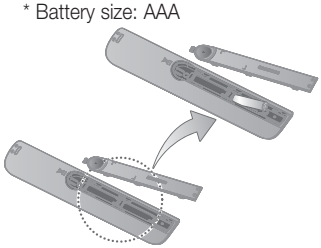
* This product does not support the DISC SKIP/SYNC function with marked [*].
* This product may not have the RDS function depending on your region.

Installing batteries in the Remote Control

* Battery size: AAA

NOTE

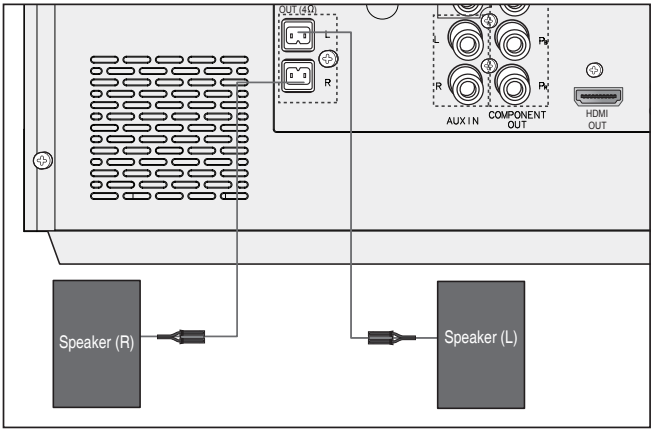
- Place batteries in the remote control so they match the polarity : (+) to (+) and (–) to (–).
- Always replace both batteries at the same time.
- Do not expose the batteries to heat or a flame.
- The remote control can be used up to approximately 23 feet (7 meters) in a straight line.



Connections

Before moving or installing the product, be sure to turn off the power and disconnect the power cord.

Connecting the Speakers



Position of the product

Place it on a stand or cabinet shelf, or under the TV stand.

Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV.
Example : For 32" TV's 6.56 ~ 7.87 feet (2~2.4 m)
For 55" TV's 11.5 ~ 13.1 feet (3.5~4 m)

Front Speakers L R

Place these speakers in front of your listening position, facing inwards (about 45°) toward you.
Place the speakers so that their tweeters will be at the same height as your ear.

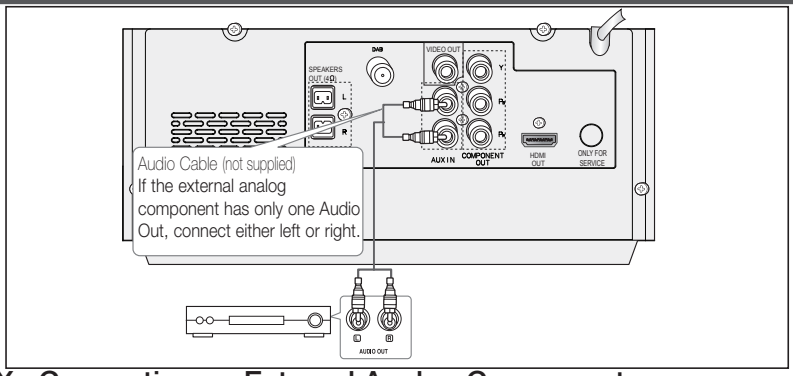
! CAUTION

- Do not let children play with or near the speakers. They could get hurt if the speaker falls.
- When connecting the speaker wires to the speakers, make sure that the polarity (+/–) is correct.

✎ NOTE

- If you place a speaker near your TV set, screen color may be distorted because of the magnetic field generated by the speaker. If this occurs, place the speaker away from your TV set.

Connecting Audio from External Components



AUX : Connecting an External Analog Component

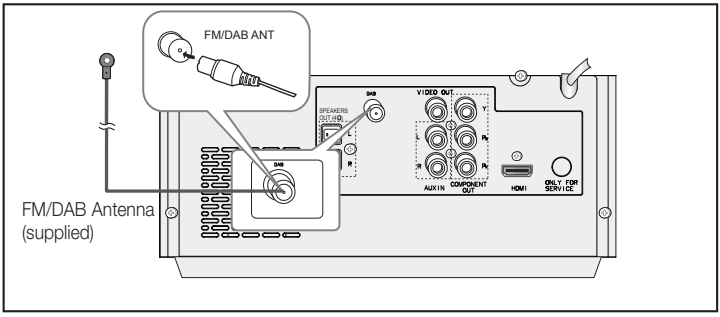
Analog signal components such as a VCR.

1. Connect **AUX IN** (Audio) on the back of the product to the Audio Out of the external Analog component.
   - Be sure to match the colors of the connecting jacks.
2. Press the **FUNCTION** button to select **AUX** input.
   - The mode switches as follows :
     DVD/CD → ARC →FM →DAB → USB → R.IPOD → IPOD → AUX → BT/GAL.

NOTE

- You can connect the Video Output jack of your VCR to the TV, and connect the Audio Output jacks of the VCR to this product.

Connecting the FM/DAB Antenna



1. Connect the FM/DAB antenna to the DAB Antenna jack.
2. Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

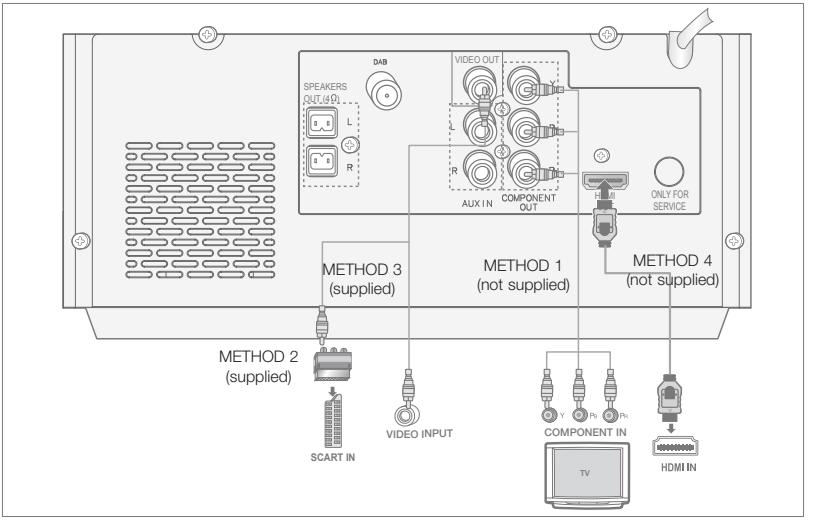
NOTE

- This product does not receive AM broadcasts.

Connections

Connecting the Video Out to your TV

Choose one method for connecting to a TV.



METHOD 1 : Component Video(BETTER QUALITY)

If your television is equipped with Component Video inputs, connect a Component video cable (not supplied) from the **COMPONENT OUT** (Pr, Pb and Y) Jacks on the back of the product to the Component Video Input Jacks on your TV.

METHOD 2 : Scart (Europe only)

If your television is equipped with a SCART input, connect the supplied video cable from the **VIDEO OUT** jack on the back of the product to the VIDEO jack on the Scart adapter (Europe only), then connect the SCART adapter's jack to the SCART IN jack on your television.

METHOD 3 : Composite Video(GOOD QUALITY)

Connect the supplied Video cable from the **VIDEO OUT** jack on the back of the product to the VIDEO IN jack on your TV.

METHOD 4 : HDMI(BEST QUALITY)

Connect an HDMI cable (not supplied) from the **HDMI OUT** jack on the back of the product to the HDMI IN jack on your TV.

✎ NOTE

- Resolutions available for the HDMI output are 480p(576p), 720p,1080i/1080p. See page 17 for the resolution setting.
- This product operates in Interlace scan mode 480i(576i) for component/composite output.
- After making the video connection, set the Video input source on your TV to match the corresponding Video output mode on your product.
  Turn this product on first before you set the video input source on your TV. See your TV owner's manual for more information on how to select the TV's Video Input source.

! CAUTION

- Do not connect the unit through a VCR. Video signals fed through VCRs may be affected by copyright protection systems and the picture will be distorted on the television.

HDMI FUNCTION

HDMI Auto Detection Function

If your TV is Samsung TV and it supports CEC function.The product's video output will automatically change to HDMI mode when connecting an HDMI cable while power is on.

- HDMI (High Definition Multimedia Interface)
- HDMI is an interface that enables the digital transmission of video and audio data with just a single connector. Using HDMI, the product transmits a digital video and audio signal and displays a vivid picture on a TV having an HDMI input jack.
- HDMI connection description
  - HDMI outputs only a pure digital signal to the TV.
  - If your TV does not support HDCP (High-bandwidth Digital Content Protection), random noise appears on the screen.
- What is the HDCP?
- HDCP (High-band width Digital Content Protection) is a system for protecting DVD content outputted via HDMI from being copied. It provides a secure digital link between a video source (PC, DVD. etc) and a display device (TV, projector. etc). Content is encrypted at the source device to prevent unauthorized copies from being made.

Using Anynet+(HDMI-CEC)

Anynet+ is a function that enables you to control other Samsung Devices with your Samsung TV's remote control. Anynet + can be used by connecting this product to a SAMSUNG TV using a HDMI Cable. This is only available with SAMSUNG TV's that support Anynet+.

1. Connect the the product to a Samsung TV with an HDMI cable. (See page 14)
2. Set the Anynet+ function on your TV. (See the TV instruction manual for more information.)

NOTE

- The Anynet+ function supports some buttons of the remote control.
- This function is not available if an HDMI cable does not support CEC.
- Depending on your TV, certain HDMI output resolutions may not work.
  Please refer to the user's manual of your TV.
- Please check the Anynet+ HDMI-CEC logo (If your TV has an Anynet+ HDMI-CEC logo, then it supports Anynet+ function.)

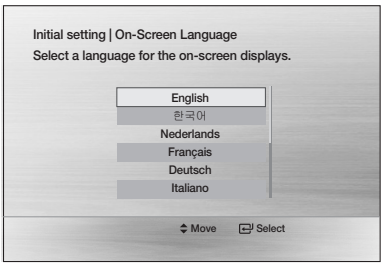
Using ARC(Audio Return Channel)

ARC is feature that transfer audio from the TV back to the product and listen to your TV's audio through the product instead of the TV's speakers without having to connect a second cable between the TV and other audio system.

1. Connect the the product to a Samsung TV with an HDMI cable. (See page 14)
2. Press the F button to select ARC input.
   - You can select ARC by pressing the FUNCTION button on the remote control and the product.

Before Starting (Initial Setting)

1. Press the **POWER** button when it is plugged in TV for the first time.
   Initial Setting screen will be displayed.



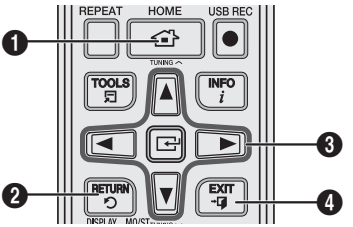
2. Press the ▲▼ buttons to select the desired language, then press the **ENTER** button.
3. Press the ▲▼ buttons to select desired TV Aspect, then press the **ENTER** button.

NOTE

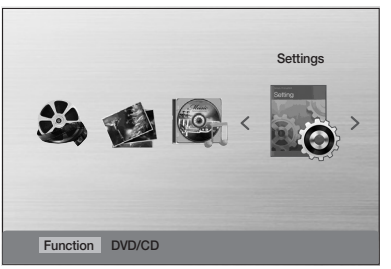
- To move to the previous screen, press and hold the **RED(A)** button.
- Once you selected a menu language, you can change it by pressing the **STOP** (■) button on the front panel for more than 5 seconds with no disc inserted.
- When the Initial Setting screen does not appear, refer to Initial Setting. (see page 19)

Setting the Setup menu

The access step may differ depending on the selected menu. The GUI (Graphical User Interface) in this manual may differ, depending on the firmware version.



❶	**HOME** BUTTON : Display the home menu.
❷	**RETURN** BUTTON : Return to the previous setup menu.
❸	**ENTER / DIRECTION** BUTTON Move the cursor and select an item. Select the currently selected item. Confirm the setting.
❹	**EXIT** BUTTON : Exit the setup menu.



1. In NO DISC mode, or during playback, press STOP button twice.
2. Press the ◄► buttons to select **Settings**, then press the **ENTER** button.
3. Press the ▲▼ buttons to select desired menu, then press the **ENTER** button.
4. Press the ▲▼ buttons to select desired sub-menu, then press the **ENTER** button.
5. Press the ▲▼ buttons to select desired item, then press the **ENTER** button.
6. Press the **EXIT** button to exit the setup menu.

Display

You can configure various display options such as the TV Aspect.

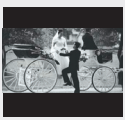
TV Aspect

Depending on the type of television you have, you may want to adjust the screen setting.

- 4:3 Pan-Scan

Select when you want to see the 16:9 video supplied by the DVD without the black bars on top and bottom, even though you have a TV with a 4:3 ratio screen(extreme left and right portion of the movie picture will be cut off).

- 4:3 Letter Box



Select when you want to see the total 16:9 ratio screen DVD supplies, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.

- 16:9 Wide

You can view the full 16:9 picture on your widescreen TV.

NOTE

- If a DVD is in the 4:3 ratio, you cannot view it in the wide screen.
- Since DVD discs are recorded in various image formats, they will look different depending on the software, the type of TV, and the TV aspect ratio setting.
- When using HDMI, the screen is automatically converted to the 16:9 Wide mode and TV Aspect is deactivated.

BD Wise

(Samsung products only)

BD Wise is Samsung's latest inter-connectivity feature. When you connect Samsung products with BD-Wise to each other via HDMI, the optimum resolution will be set automatically.

- **On :** The original resolution of the DVD disc will be output to the TV direct.
- **Off :** The output resolution will be fixed according to the Resolution previously set, regardless of the resolution of the disc.

NOTE

- This will optimize the picture quality according to the content (In the DVD disc, etc) that you want to play and the product or your BD Wise-compliant Samsung TV.
- If you want to change the resolution in BD Wise mode, you must set BD mode to Off in advance.
- BD Wise will be disabled if the product is connected to a device that does not support BD Wise.

Resolution

Sets the output resolution of the HDMI video signal. The number in 480p(576p), 720p, 1080i and 1080p indicates the number of lines of video.

The i and p indicate interlace and progressive scan, respectively.

- **480p(576p) :** Outputs 480 lines of progressive video.
- **720p :** Outputs 720 lines of progressive video.
- **1080i :** Outputs 1080 lines of interlaced video.
- **1080p:** Outputs 1080 lines of progressive video.
- **BD Wise :** Automatically sets the optimal resolution when connected via HDMI to a TV with the BD Wise feature. (The BD Wise menu item appears only if BD Wise is set to On.)

NOTE

- If Component or Composite is connected, the resolution supports only 480i(576i).
- 1080P may not appear depending on TV.

Video Out Signal

Different countries apply different TV standard.You can select from NTSC or PAL.

- **NTSC** : You can set to the NTSC video format
- **PAL** : You can set to the PAL video format

NOTE

- Depending on the type(NTSC or PAL) of main unit you have, the TV screen displayed may be different.

HDMI Format

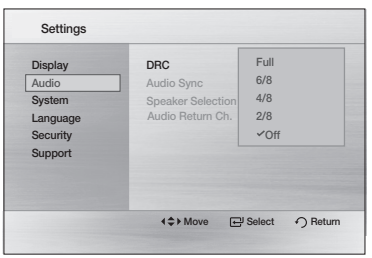
You can optimize the color setting from the HDMI output. Select a connected device Type.

- **Monitor :** Select if connected to a Monitor via HDMI.
- **TV :** Select if connected to a TV via HDMI.

Audio

DRC (Dynamic Range Compression)

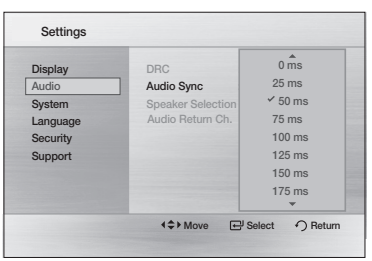
This feature balances the range between the loudest and quietest sounds. You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.



- You can select either Full, 6/8, 4/8, 2/8, Off.

AUDIO-SYNC

Video and audio sync may not match with digital TV. If this occurs, adjust the audio delay time to match the video.



- You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.

Speaker Selection

The audio signals transmitted over the HDMI Cable can be changed Audio System/TV Speaker.

- **Audio System :** Video is transmitted over the HDMI connection cable only, and audio is output through the product speakers only.
- **TV Speaker :** Both video and audio signals are transmitted over the HDMI connection cable, and audio is output through your TV speakers only.

NOTE

- The default setting of this function is Audio System .
- HDMI Audio is automatically down-mixed to 2ch for TV speakers.
- When TV Selection is set to TV Speaker, EQ/ POWER BASS doesn't work.
- With Speaker Selection set to 'TV Speaker', the volume can be adjusted only using the TV remote control.

Audio Return Ch.

You can enjoy TV sound from the speakers by using just one HDMI cable.

- **Off :** Turn the Audio Return Channel function off.
- **Auto:** Listen to TV sound from the speakers if your TV is compatible with the Audio Return Channel function.

NOTE

- When Anynet+ (HDMI-CEC) is Off, the Audio Return Channel function is not available.
- Using an ARC (Audio Return Channel)-uncertified HDMI cable may cause a problem in compatibility.
- ARC function is only available if an ARC-compliant TV is connected.

System

Initial Setting

By using the Initial Setting, you can set language and TV aspect setting.

NOTE

- If an HDMI cable is connected to the product, the TV aspect does not appear and it is set to 16:9 Wide automatically.

DivX(R) Registration

View DivX(R) VOD Registration Code to purchase and play DivX(R) VOD content.

NOTE

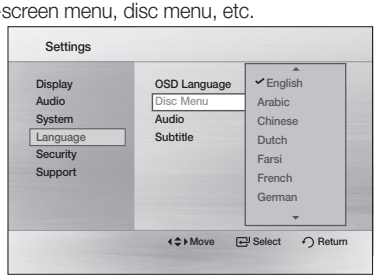
- This option is not activated if you select OK.To activate this option, please activate the DivX(R) Deactivation.
- Even after you reset the system, the settings of DivX Registration will not be reset.

DivX(R) Deactivation

Select this to get a new registration code.

Language

You can select the language you prefer for on-screen menu, disc menu, etc.



OSD Language	Select the language for the on-screen displays.
Disc Menu	Select the language for the disc menu displays.
Audio	Select the language for disc audio.
Subtitle	Select the language for disc subtitles.

※ To select another language, select OTHERS of Disc Menu, Audio and Subtitle, and enter the language code of your country (see page 38).

※ You cannot select OTHERS in the OSD Language menu.

NOTE

- The selected language will only appear if it is supported on the disc.

Security

The Parental Lock function works in conjunction with DVDs that have been assigned a rating which helps you control the types of DVDs that your family watches. There are up to 8 rating levels on a disc.

Parental Rating

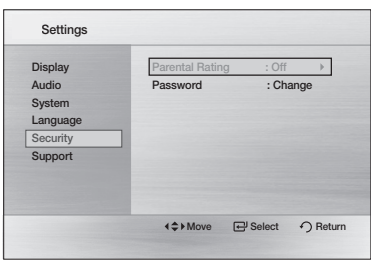
Select the rating level you want to set.
A larger number indicates that the program is intended for adult use only. For example, if you select up to Level 6, discs that contain Level 7, 8 will not play.

Enter the password and then press the **ENTER** button.

- The password is set to "0000" by default.
- Once the setup is complete, you will be taken to the previous screen.

Change Password

Select **Change** and enter the 4-digit password to set the parental lock using the number buttons on the remote control.



If you forgot your password

In "NO DISC" mode, press and hold the **STOP** (■) button on the front panel for 5 seconds or more. All settings will revert to the factory settings.

Support

Product Information

Provide contact information for assistance with your product.

Disc Playback

1. Press the **OPEN/CLOSE** button.
2. Place a disc gently into the disc Compartment with the disc's label facing up.
3. Press the **OPEN/CLOSE** button to close the disc Compartment.

NOTE

- Resume function: When you stop disc play, the product remembers where you stopped, so when you press **PLAY** button again, it will pick up where you left off. (This function works only with DVDs.) Press the **STOP** button twice during playback to disable the Resume function.
- If no buttons are pressed on the product or remote control for more than 3 minutes when the product is in Pause mode, it will be changed to Resume stop mode. and after another 5 minutes in Resume stop mode, it will be changed to screen saver mode.
- The initial screen may appear different, depending on the content of the disc.
- Pirated discs will not run in this product because it violates the CSS (Content Scrambling System : a copy protection system) recommendations.
- DTS Audio is not supported.

※ ⊘ will appear when an invalid button is pressed.

TV Screen Saver/Power Saving Function

- If no button input is made for more than 5 minutes in Stop or Play (music) mode, the screen saver will be activated.
- If the product is left in the screen saver mode for more than 20 minutes, the power will automatically turn off. (Except during play a music)

Audio CD(CD-DA)/MP3/WMA Playback

1. Insert an Audio CD(CD-DA) or an MP3 Disc into the disc Compartment.
   - For an Audio CD, the first track will be played automatically.
     - Press the ⏮⏭ buttons to move to the previous/next track.
   - For the MP3/WMA disc, press the ◄► buttons to select **Music**, then press the **ENTER** button.
     - Press the ▲▼◄► buttons to select a desired file and press the **ENTER** button.
     - Press the ◀◀ ▶▶ buttons to move to the previous/next pages.
2. Press the **STOP** (■) button to stop playback.

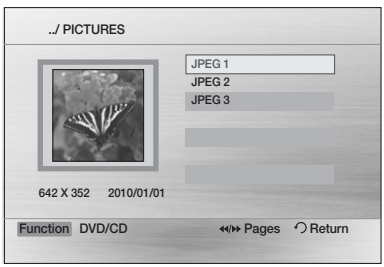
NOTE

- Some MP3/WMA-CDs may not play, depending on the recording mode.
- Table of contents of a MP3-CD varies depending on the MP3/WMA track format recorded on the disc.
- WMA-DRM files cannot be played.

JPEG File Playback

Images captured with a digital camera or camcorder, or JPEG files on a PC can be stored on a CD and then played back with this product.

1. Insert a JPEG disc on the disc Compartment.
2. Press the ◄,► buttons to select the **Photos**, and then press the **ENTER** button.
3. Press the ▲▼ buttons to select the folder you want to play, and then press the **ENTER** button.
4. Press the ▲▼ buttons to select the photo you want to play, and then press the **ENTER** button.
   - The selected file will play and slide show will start.
   - To stop slide show, press the **PAUSE** (II) button.
   - You can view the previous/next file by pressing the ◄,► buttons during the slideshow mode.



Rotate Function

JPEG

Press the **GREEN(B)** or **YELLOW(C)** button during the PAUSE mode.

- **GREEN(B)** Button: Rotate 90° Counter-clockwise.
- **YELLOW(C)** Button: Rotate 90° Clockwise.

NOTE

- The maximum resolutions supported by this product are 5120 x 3480 (or 19.0 MPixel) for standard JPEG files and 2048 x 1536 (or 3.0 MPixel) for progressive image files.

Using the Playback Function

Forward/Reverse Search

DVD CD MP3 DivX

Press the ◄◄ ►► buttons for Search Function.

◄◄ 1 → ◄◄ 2 → ◄◄ 3 → ◄◄ 4
►► 1 → ►► 2 → ►► 3 → ►► 4

NOTE

- No sound is played in search mode.

Skipping Scenes/Songs

DVD CD MP3 DivX

Press the I◄◄ ►►I buttons.

- Each time the button is pressed during playback, the previous or next chapter, track or directory (file) will be played.

Slow Motion Play

DivX DVD

Press the **PAUSE** (II) button and then press the ►► button for Slow Motion play.

DVD	II►1 →II►2 →II►3
DivX	II►1 →II►2 →II►3

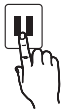
NOTE

- No sound is heard during slow playback.
- Reverse slow playback does not work.

Step Motion Play

DVD DivX

Press the **PAUSE** button repeatedly.



- The picture moves forward one frame each time the button is pressed during playback.

NOTE

- No sound is heard during step motion playback.

5 Minute Skip function

DivX

During playback, press the ◄,► button.

- Playback skips 5 minutes forward whenever you press the ► button.
- Playback skips 5 minutes backward whenever you press the ◄ button.

NOTE

- You can operate this function only on the DivX.

Using the Disc Menu

DVD

You can view the menus for the audio language, subtitle language, profile, etc.

1. During playback, press and hold the **DISC MENU** button on the remote control.
2. Press the ▲▼◄► buttons to make the desired selection, then press the **ENTER** button.

NOTE

- Depending on the disc, menu setup items may vary and this menu may not be available.

Using the Title Menu

DVD

For DVDs containing multiple titles, you can view the title of each movie.

1. During playback, press and hold the **TITLE MENU** button on the remote control.
2. Press the ▲▼◄► buttons to make the desired selection, then press the **ENTER** button.

NOTE

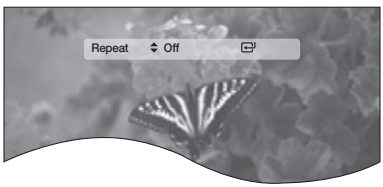
- Depending on the disc, menu setup items may vary and this menu may not be available.

Repeat Playback

DVD CD MP3 DivX

DVD/DivX Repeat

You can repeat the title, chapter or the section(A-B Repeat) of the DVD/DivX.



1. During the DVD/DivX playback, press the **REPEAT** button on the remote control.
2. Press the ▲▼ buttons to select a desired repeat mode, then press the **ENTER** button.
3. Press the ▲▼ buttons to select **Off** to return to normal play, then press the **ENTER** button.

DVD-VIDEO	Off → Title → Chapter → A-
DivX	Off → Title → Folder → All

CD/MP3 Repeat

1. During the CD/ MP3 playback, press the REPEAT button repeatedly to select the repeat mode you want.

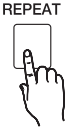
CD	→ → → → → (Normal → Repeat Track → Repeat All → Random → Repeat Section A-B)
MP3	→ → → → → (Normal → Repeat Track→ Repeat DIR → Repeat All→ Random)

A-B Repeat Playback

DVD CD

You can repeatedly play back a designated section of a DVD or CD.

1. During the DVD disc or CD playback, press the **REPEAT** button on the remote control.
2. For DVD, press the ▲▼ buttons to select **A-**.
   For CD press the **REPEAT** button repeatedly until A-B appears on the TV.
3. Press the **ENTER** button at the point where you want repeat play to start (A).
4. Press the **ENTER** button at the point where you want repeat play to stop (B).
5. To return to normal playback,
   For DVD, press the **REPEAT** button to select to REPEAT OFF.
   For CD, press the **REPEAT** button to select to .

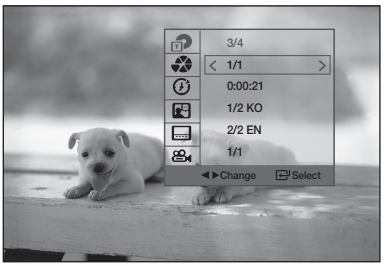


NOTE

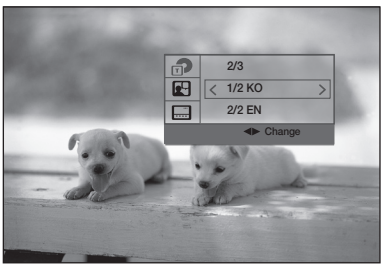
- The A-B Repeat function does not operate with DivX, MP3 or JPEG discs.
- For DVD, point B cannot be set until 5 seconds of playback has elapsed from point A.

Displaying Disc Information

DVD



DivX



1. During the playback, press the **TOOLS** button on the remote control.
2. Press the ▲▼ buttons to select the desired item.
3. Press the ◄► buttons to make the desired setup change and then press the **ENTER** button.
   - You may use the number buttons of the remote control to control some item.
4. To make Disc information disappear, press the **TOOLS** button again.

✎ **NOTE**

- If you are playing contents from the tools menu, some functions may not be enabled depending on the disc.
- Some tools menu may differ depending on discs and files.

TOOLS menu

- **Title**( ) : To access the desired title when there is more than one in the disc. For example, if there is more than one movie on a DVD, each movie will be identified as a Title.
- **Chapter**( ) : Most DVD discs are recorded in chapters so that you can quickly find a specific chapter.
- **Playing time**( ) : Allows playback of the film from a desired time. You must enter the starting time as a reference. The time search function does not operate on some discs.
- **Audio**( ): Refers to the film's soundtrack language. A DVD Disc can contain up to 8 audio languages.
- **Subtitle**( ): Refers to the subtitle languages available in the disc. You will be able to choose the subtitle languages or, if you prefer, turn them off from the screen. A DVD Disc can contain up to 32 subtitle languages.
- **Angle**( ): When a DVD contains multiple angles of a particular scene, you can use the Angle function.

Selecting the Audio Language

DVD DivX

1. Press the **TOOLS** button.
2. Press the ▲▼ buttons to select **AUDIO** ( ) display.
3. Press the ◄► buttons to select the desired audio language.
   - Depending on the number of languages on a DVD disc, a different audio language is selected each time the button is pressed.

Selecting the Subtitle Language

DVD DivX

1. Press the **TOOLS** button.
2. Press the ▲▼ buttons to select **SUBTITLE** ( ) display.
3. Press the ◄► buttons to select the desired subtitle language.
   - Depending on the number of languages on a DVD disc, a different subtitle language is selected each time the button is pressed.

NOTE

- Depending on the disc, the Subtitle and Audio Language functions may not be available.
- On the DivX file format, the subtitle languages may be represented by only numbers.

Caption Function

DivX

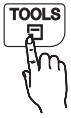
- You must have some experience with video extraction and editing in order to use this feature properly.
- To use the caption function, save the caption file (*.smi) in the same file name as that of the DivX media file (*.avi) within the same folder.
  Example. Root Samsung_007CD1.avi
  Samsung_007CD1.smi
- Up to 60 alphanumeric characters or 30 East Asian characters (2 byte characters such as Korean and Chinese) for the file name.
- The subtitle of DivX files are *.smi, *.sub, *.srt over 148 kbyte is not supported.

Angle Function

DVD

This function allows you to view the same scene in different angles.

1. Press the **TOOLS** button.
2. Press the ▲▼ buttons to select ANGLE ( ) display.
3. Press the ◄► buttons to select the desired angle.



NOTE

- The Angle function works only with discs on which multiple angles have been recorded.

Sound Mode

EQ

Your micro-compact system is equipped with a preset equalizer that allows you to choose the most appropriate balance between treble and bass frequencies, according to the type of music you are listening to.

Press **EQ** on the remote control. Each time you press EQ,the EQ model will switch in the following order:

OFF→ FLAT →RANCHA → SAMBA → CUMBIA → HABANA → BOOMBA→REGGAE → PARTY → POP → HIPHOP→ ROCK→JAZZ → CLASS → STA+EQ→ DYN+S→MP3+ → VIR+S .

✎ **NOTE**

- The equalizer is set to "OFF" automatically and becomes not available during a CD recording.
- This function is not available during playback of a DVD disc.

POWER BASS

Your micro-compact system has a bass amplification function called Power Bass.This function makes the sound more powerful and real.

1. Press the **SOUND** button on the remote control.

   Result: "POWER BASS ON" is displayed.

2. To cancel this function, press this button again, "POWER BASS OFF" is displayed for a few seconds.

✎ **NOTE**

- The Power Bass is set to "OFF" automatically and becomes not available during a CD recording.

Mute Function

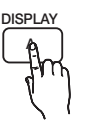
This is useful when answering a doorbell or telephone call.

1. Press **MUTE** button:
   - ' MUTE ' appears in the display.
   - To switch the sound back on, press the **MUTE** button again or the **VOL-, +** button.

Display Function

You can view all functions available on the display, adjust the brightness of the display.

1. Each time you press the **DISPLAY** button on the remote control, the display mode will change as following:
   - **The Demo function**
     All functions available on the system appear on the front panel display.
   - **The Dimmer function**
     The Dimmer function is selected and the display darkens.
   - **Display ON**
     The Display turns on.
   - **Clock ON**
     The Clock you set is displayed.



Listening to Radio

Using buttons on the Remote Control

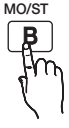
1. Press the **FUNCTION** button to select **FM**.
2. Tune in to the desired station.
   - **Preset Tuning** : Press the **STOP** button to select FMXX and then press **TUNING** ∧,∨ buttons to select the preset station.
   - **Automatic Tuning** : Press the **STOP** button to select MANUAL and then press and hold the **TUNING**∧,∨ button to automatically search for active broadcasting stations.
   - **Manual Tuning** : Press the **STOP** button to select MANUAL and then briefly press the **TUNING**∧,∨ button to increase or decrease the frequency.

Using buttons on the product

1. Press the **F** button to select **FM**.
2. Select a broadcast station.
   - **Preset Tuning** : Press the **STOP** (■) button to select **FMXX** and then press the ⏮ ⏭ buttons to select the preset station.
   - **Automatic Tuning** : Press the **STOP** (■) button to select **MANUAL** and then press and hold the ⏮ ⏭ buttons to automatically search the band.
   - **Manual Tuning** : Press the **STOP** (■) button to select **MANUAL** and then press the ⏮ ⏭ buttons to tune in to a lower or higher frequency.

Setting Mono/Stereo

Press the **MO/ST** button.



- Each time the button is pressed, the sound switches between **STEREO** and **MONO**.
- In a poor reception area, select **MONO** for a clear, interference-free broadcast.

✎ **NOTE**

- This applies only when listening to an FM station.

Presetting Stations

Example : Presetting FM 89.10 in the memory

1. Press the **FUNCTION** button to select **FM**.
2. Press the **STOP** (■) button on the top panel to select <MANUAL> mode.
3. Press the ⏮ ⏭ button on the top panel to select <89.10>.
4. Press the **ENTER** button.
   - Number flashes on the display.
5. Press the ⏮ ⏭ buttons on the top panel to select preset number.
   - You can select between 1 and 15 presets.
6. Press the **ENTER** button again.
   - Press the **ENTER** button before number disappears from the display.
   - Number disappears from the display and the station is stored in memory.
7. To preset another station, repeat steps 2 to 6.
   - To tune to a preset station, press the ⏮ ⏭ on the top panel to select a channel.

✎ **NOTE**

- You can also use **TUNING**∧,∨ buttons on the remote control instead of ⏮ or ⏭ buttons in step 3,5,7 .

Listening to DAB

Using buttons on the Remote Control

1. Press the **FUNCTION** button to select **DAB**.
2. Tune in to the desired station.
   - **Store Tuning** : Press the **ENTER** button to select STORE-X and then press **TUNING** ∧,∨ buttons to select the service number.
   - **Automatic Tuning** : Press the **C** button to dispaly SCAN NO and then press **TUNING** ∧,∨ buttons to select SCAN YES , press **ENTER** button to automatically search for active broadcasting stations.
   - **Manual Tuning** : Press the **D** button to display the frequency(XX XX XX) and then briefly press the **TUNING** ∧,∨button to increase or decrease the frequency.

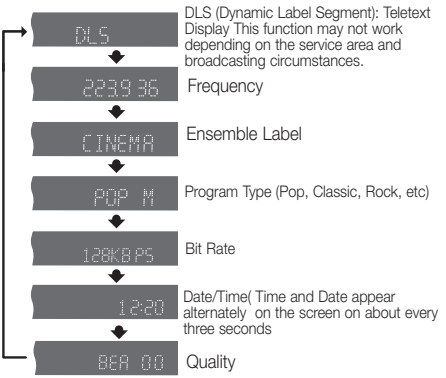
Presetting Stations

Example : Presetting DAB station in the memory

1. Press the **FUNCTION** button to select **DAB**.
2. Press the **STOP** (■) button to display SELECT-X.
3. Press the **TUNING** ∧,∨ buttons select stored number.
   - You can select between 1 and 9 , A and F presets.
4. Press the **ENTER** button again.
   - "PLS WAIT" disappears and then displays the stored frequency.

DAB Related Function

1. Press the **INFO** button.
   - Each time you press the button during reception, the mode changes on the display as follows:



- If no button is pressed for 7~8 seconds, you will be exited from the Information Display function.
- Small letters and some special characters (Ω, /, =, ?) cannot be displayed.

About Ensemble and Service

- For each ensemble, there are various services such as audio and data.
- Shaded areas are frequencies used currently as of March, 2012 in the UK ("United Kingdom")

174.928MHz	192.352MHz	209.936MHz	227.360MHz
176.640MHz	194.064MHz	211.648MHz	229.072MHz
178.352MHz	195.936MHz	213.360MHz	230.784MHz
180.064MHz	197.648MHz	215.072MHz	232.496MHz
181.936MHz	199.360MHz	216.928MHz	234.208MHz
183.648MHz	201.072MHz	218.640MHz	235.776MHz
185.360MHz	202.928MHz	220.352MHz	237.488MHz
187.072MHz	204.640MHz	222.064MHz	239.200MHz
188.928MHz	206.352MHz	223.936MHz	
190.640MHz	208.064MHz	225.648MHz	

NOTE

- If you first use the DAB function, and if there is no service list on all the frequency, the main unit will automatically scan for a few senconds later.
- **What is DAB?**

  DAB stands for digital audio broadcasting. It is a new form of radio that is broadcast digitally. Digital audio provides a superior quality of sound compared to regular analogue broadcasting.

About RDS broadcasting(optional)

Using the RDS (Radio Data System) to receive FM stations

RDS allows FM stations to send an additional signal along with their regular program signals. For example, the stations send their station names, as well as information about what type of program they broadcast, such as sports or music, etc.

When tuned to an FM station which provides the RDS service, the RDS indicator lights up on the display.

Description on RDS function

- PTY (Program Type) : Displays the type of programme currently being broadcast.
- PS NAME (Program Service Name) : Indicates the name of broadcasting station and is composed of 8 characters.
- RT (Radio Text) : Decodes the text broadcast by a station (if any) and is composed of maximum 64 characters.

- CT (Clock Time) : Decodes the real time clock from the FM frequency. Some stations may not transmit PTY, RT or CT information therefore this may not be displayed in all cases.
- TA (Traffic Announcement) : When this symbol flashes it shows that the traffic announcement is in progress.

✎ NOTE

- RDS may not operate correctly if the station tuned is not transmitting RDS signal properly or if the signal strength is weak.

To show the RDS signals

You can see the RDS signals the station sends on the display.

Press the **RDS DISPLAY** button while listening to an FM station.

- Each time you press the button, the display change to show you the following information : PS NAME ➞ RT➞ CT ➞ Frequency

PS (Program Service)	While searching, <PS> appears and then the station names will be displayed. <NO PS> appears if no signal is sent.
RT(RadioText)	While searching, <RT> appears and then text messages the station sends will be displayed. <NO RT> appears if no signal is sent.
CT (Clock Time)	Decodes the real time clock from the FM frequency. Some stations may not transmit PTY, RT or CT information therefore this may not be displayed in all cases.
Frequency	Station frequency (non-RDS service)

About characters shown in the display

When the display shows PS,or RT signals,the following characters are used.

- The display window cannot differentiate upper case and lower case letters and always uses upper case letters.
- The display window cannot show accented letters, <A,> for instance, may stands for accented <A's> like <À, Â, Ä, Á, Å and Ã.>

PTY (Program Type) indication and PTY-SEARCH function

One of the advantages of the RDS service is that you can locate a particular kind of program from the preset channels by specifying the PTY codes.

To search for a program using the PTY codes

Before you start!

- The PTY Search is only applicable to preset stations.
- To stop searching any time during the process, press the **STOP** button while searching.
- There is a time limit in doing the following steps. If the setting is cancelled before you finish, start from step 1 again.
- When pressing the buttons on the primary remote control, make sure that you have selected the FM station using the primary remote control.

1. Press the **RDS PTY** button while listening to an FM station.
2. Press the **TUNING** ∧,∨ button until the PTY code you want appears on the display.
   - The display gives you the PTY codes described to the right.
3. Press the **RDS PTY** button again, while the PTY code selected in the previous step is still on the display.
   - The centre unit searches 30 preset FM stations, stops when it finds the one you have selected, and tunes in that station.

Setting the Clock

For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

1. Switch the system on by pressing the **POWER** button.
2. Press **TIMER/CLOCK** button and then press the **ENTER** button.
   Result: "CLOCK" is displayed.
3. Press **ENTER**.
   Result: The hour flashes.
   - Increase the hours:▲
   - Decrease the hours:▼
4. When the correct hour is displayed, press **ENTER**.
   Result: The minutes flashes.
   - Increase the minutes:▲
   - Decrease the minutes:▼
5. When the correct minute is displayed, press **ENTER**.
   Result: "⏎ TIMER" appears in the display.
   - The current time is now set.

✎ NOTE

- You can display the time, even when you are using another function, by pressing the **TIMER/CLOCK** button once.
- You can also use ⏮ or ⏭ on the front panel instead of ▲,▼buttons in step 3,4.

Timer Function

The timer enables you to switch the system on or off at specific times automatically.

- Before setting the timer, check that the current time is correct.
- For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.
- If you no longer want the system to switch on or off automatically, you must cancel the timer by pressing the **TIMER ON/OFF** button.

Example: You wish to wake up to music every morning.

1. Switch the system on by pressing the **POWER** button.
2. Press the **TIMER/CLOCK** button and then press ▲ or ▼ buttons until ⏎ **TIMER** is displayed.
3. Press the **ENTER** button.
   Result: **ON** is displayed for a few seconds, you can set the timer switch-on time.
4. Set the timer switch-on time.
   a Press the ▲ or ▼button.
   b Press the **ENTER** button.
   Result: The minutes flash.
   c Press the ▲ or ▼ button.
   d Press the **ENTER** button.
   Result: **OFF** is displayed for a few seconds, you can now set the timer switch-off time.
5. Set the timer switch-off time.
   a Press the ▲ or ▼ button.
   b Press the **ENTER** button.
   Result: The minutes flash.
   c Press the ▲ or ▼ button.
   d Press the **ENTER** button.
   Result: **VOL XX** is displayed, where **XX** corresponds to the volume already set.
6. Press ▲ or ▼ button to adjust the volume level and press the **ENTER** button.
   Result: The source to be selected is displayed.
7. Press the ▲ or ▼ button to select the desired source to be played when the system switches on.
   - FM (radio) : **a** Press the **ENTER** button.
     b Select a preset station by press the ▲ or ▼ button.
   - DVD/CD (compact disc): Load one audio CD.
   - USB : Connect the USB device.

8. Press the **ENTER** button.

   Result: CHK REC (Do you want to record?) is displayed.

9. Press the **ENTER** button.

   Result: REC N is displayed, you can press the ▲ or ▼ button to select the REC Y or REC N, and then press ENTER button.

   1). If you select the REC N, it will cancel tuner timing recording even if you have already set the tuner timing recording.

   2). If you select the REC Y, you can set the tuner timing recording.

   a. Press the **ENTER** button.

      Result: **ON** is displayed for a few seconds, you can set the tuner timing recording switch-on time.

   b. Press the **ENTER** button.

      Result: **OFF** is displayed for a few seconds, you can set the tuner timing recording switch-off time.

✎ **NOTE**

- The maximal tuner timing recording time is 5 hours.
- If the timer switch on and off times are identical, the word **ERROR** is displayed.
- If there is no disc or usb, please wait 5 seconds, it will automatically change to "FM".
- If the switch-on or -off time is the same as the timing recording time, only the switch-on or -off time is effective, and the timing recording time is not applied.
- If the auto timer is turned on, the DVD/CD or USB function may require an additional step to be activated depending on the disc (or device). Hence it is better for you to select the FM function instead.

Cancelling the Timer

After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you can cancel it.

1. To cancel the timer, press the **TIMER ON/OFF** button once.

   Result: ⏲ is no longer displayed.

2. To resume the timer, press the **TIMER ON/OFF** button again.

   Result: ⏲ is displayed again.

✎ **NOTE**

- When you select the TIMER OFF mode, the TIMER RECORDING and TIMER function are not available.

Sleep Timer Function

You can set the time that the DVD player will shut itself off.

1. Press **SLEEP** button:
   - Result: Starts playback and the following indication appears: **90 MIN**

2. Press the **SLEEP** button once or more times to indicate how long the system should continue playing before it switches off:

   90 MIN → 60 MIN → 45 MIN → 30 MIN → 15 MIN → OFF

   At any time, you can:
   - check the remaining time by pressing the **SLEEP** button.
   - Change the remaining time by repeating steps 1 and 2.

3. To cancel the sleep timer, press the **SLEEP** button until **OFF** appears on the display.

Advanced Functions

Using Bluetooth

You can use a Bluetooth device to enjoy music with high quality stereo sound, all without wires!

What is Bluetooth?

Bluetooth is a technology that enables Bluetooth-compliant devices to easily interconnect with each other using a short wireless connection.

- A Bluetooth device may involve with a noise or malfunction, depending on usage.
- When a part of human body is in contact with the receiving/transmitting system of the Bluetooth device or the Product.
- Electrical variation from obstructions caused by a wall, corner or office partitioning.
- Electrical interference from same frequency-band devices including medical equipment, microwave oven and wireless LAN.
- Pair the Product with the Bluetooth device while keeping a close distance.
- The farther the distance between Product and Bluetooth device is, the worse the quality is. If the distance exceeds the Bluetooth operational range, the connection is lost.
- In poor reception-sensitivity areas, the Bluetooth connection may not work properly.
- This wireless device may cause an electric interference during its operation.
- The Product has an effective reception range of up to 10 meters in all directions if there are no obstacles. The connection will be automatically cut off if the distance is out of this range. Even within this range, the sound quality may be deteriorated by obstacles such as walls or doors.

To connect the product to a Bluetooth device

Check if the Bluetooth device supports the Bluetooth-compliant stereo headset function.

1. Press the **FUNCTION** button on the remote control of product to display the "**BT/GAL**" message.
   - You will see "**WAIT**" for 2 seconds and then "**READY**" display .
2. Select the Bluetooth menu on Bluetooth device you want to connect. (refer to Bluetooth device's user's manual)
3. Select the Stereo headset menu on the Bluetooth device.
   - You will see a list of scanned devices.
4. Select "**[Samsung]MICRO XXXXXX**" from the searched list.
   - When the product is connected to the Bluetooth device, the Product will display "**CONNECT**" on the front display, followed by the device name of the connected Bluetooth device.
5. Play music on the connected device.
   - You can listen to the music playing on the connected Bluetooth device over the Product.
   - In Bluetooth mode, some model's Repeat/Stop/Next/Back functions are not available.

NOTE

- The Product only supports Middle Quality SBC data(up to 237kbps@48kHz), and does not support High Quality SBC data(328kbps@44.1kHz).
- Only one Bluetooth device can be paired at a time.
- Search or connection by product may not be performed properly in the following cases:
  - If there emits a strong electric wave around product.
  - If several Bluetooth devices are simultaneously paired with product.
  - If the Bluetooth device is turned off, not in place, or malfunctions.
  - Note that such devices as microwave oven, wireless LAN adapter, plasma bulb and gas stove use the same frequency range as the Bluetooth device, which can cause an electric interference.

To disconnect the Bluetooth device from the Product

You can disconnect the Product from the Bluetooth device. (Refer to Bluetooth deivice's user's manual)

- The Product will be disconnected.
- When the Product is disconnected from the Bluetooth device, the Product will display "**DIS CON**" on the front display.

To disconnect the Product from the Bluetooth device

Press the **F** button on the top panel to switch from "**BT/GAL** " to another mode.

- Except disconnect through function conversion, the connected Bluetooth device will wait a certain time for response from the product before terminating the connection. (Disconnection time may differ, depending on the Bluetooth device)
- The currently connected device will be disconnected.

NOTE

- In Bluetooth connection mode, the Bluetooth connection will be lost if the distance between the Product and the Bluetooth device exceeds the limit (10 meters). If the distance decreases to the effective range or you restart the Bluetooth device, the Bluetooth connection can be restored.
- If the Bluetooth device falls back in the effective range, you can restart to restore the pairing with the Bluetooth device.
- With some Bluetooth devices, some functions may not work properly.

Using the product with Samsung GALAXY device

1. Slide the top panel manually first.
2. Press the **Galaxy** button under the top panel ,the top panel pops open automatically,then you can see the Galaxy Dock.
3. Place the Galaxy device in the Galaxy Dock.
   - The Galaxy device charging automatically.

<Samsung Galaxy Devices>

To use your Samsung Galaxy series device with the Dual Dock, you must download and install the Docking Mode application from the Android Market on the device. To download, follow these steps:

1. Tap the Play Store (Android Market) icon on the Samsung Galaxy device's main screen.
2. Tap the search icon on the screen to access the search bar.
3. In the search bar, type in the [Samsung Wireless with Audio Dock] , and then search.
4. In the search result list, find, and then tap [Samsung Wireless with Audio Dock] to start downloading.
5. Tap [install].

To play music, follow these steps:

1-1. If you start the app when the product is the only device for the Bluetooth connection,selecting PLAY in your device automatically establishes the Bluetooth connection to the product and the unit plays music.

1-2. If there are multiple devices for Bluetooth connection including the product,

1) When you start the app, the list of the devices which you can connect to the product will appear.

2) Play music after connecting to the product by selecting it on the list of devices.

- If there exists a Bluetooth device paired to the product before, it will not appear in the list and be connected automatically.

2. If you replace the product which you have paired to your mobile device,you should deletethe remaining settings saved in your device before pairing to the new one.
   - Tap → Tap <**Clear data**>.
   - The operation of the “Samsung wireless audio with dock ”may be different depending on application's version.

✎ **NOTE**

- Once you started the application, running is not disturbed by charging your mobile device with an ordinary charger.
- When you connect other device to the product after connecting Samsung Galaxy device in docking mode, you may have to turn off the Bluetooth mode of the Samsung Galaxy device.
- If you have trouble with connecting the Samsung Galaxy device to the Dual Dock, turn off the device's Bluetooth mode.
- Some Samsung Galaxy device may not fit into this product’s Galaxy Dock. In such cases, connect such Galaxy device with USB cable to the USB port for charging it.(Please do not connect a device via USB to the product while in AUX, FM or CD mode. Otherwise, it may cause an error.)
- If your Galaxy device is in Bluetooth mode and docked onto this product, do not touch on the Galaxy device’s touch screen with your body. (suggested to use remote control for operation)
- Compatibility is subject to carrier and regional specifications.
- Downloading the"Samsung Wireless Audio with Dock" application is required,if you haven't downloaded this applictation on your device,and used only for charging the Galaxy device.
- Some Galaxy devices docked on Galaxy Dock may experience unstable connection. If such a device is exposed to shock, the connection will be broken.

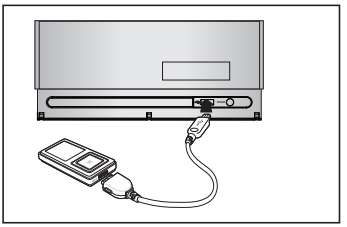
Galaxy Compatibility List

Please see page 40.

USB Function

Playing Media Files using the USB Host Feature

You can enjoy media files such as pictures, movies and music saved on an MP3 player, USB memory stick or digital camera in high quality video with 2.0 channel sound by connecting the storage device to the USB port of the product.



1. Connect the external USB storage device to the USB jack of the main unit.
2. Select the USB mode by pressing the **F** button on the main unit.
   - You can select USB by pressing the FUNCTION button on the remote control.
3. Press the ▲▼◄► buttons to select **Videos**, **Music** or **Photo**.
   - Select a file to play.

Safe USB Removal

To prevent damage to the memory stored in the USB device, perform safe removal before disconnecting the USB cable.

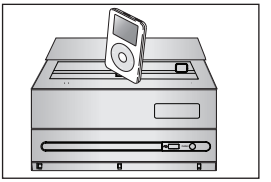
- Press the **YELLOW(C)** button.
  - **REMOVE** will appear on the display.
- Remove the USB cable.

NOTE

- Remove the USB cable from the USB port slowly. Otherwise, it may cause damage to the USB port.

Using an iPod/iPhone

If the system is connected to iPod/iPhone,You can play music and video in iPod/iPhone using the system.



1. Slide the top panel manually ,you can see the iPod Dock.
2. Place the iPod/iPhone in the iPod Dock on the product top panel.
   - Your iPod/iPhone is automatically turned on.
3. Press the **FUNCTION** button to switch to **R. IPOD** or **IPOD** mode.

REMOTE IPOD	TV will have no output when play a music file. You can adjust the volume using the remote control. Play and Search will be enabled in your iPod player.
IPOD	Video playback and file selection will be enabled on the TV.The remote control can be used for adjusting the volume or playback settings.

- Remote iPod function only support AV output when play Video file .
- No video will be displayed on the TV if the TV source is HDMI/RGB mode.

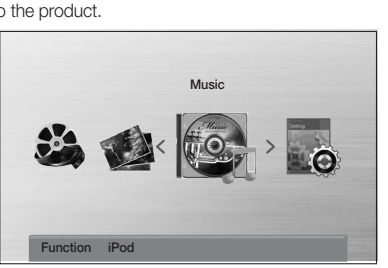
iPod SYNC

Press and hold number **8** button set up remote iPod/iPod SYNC.

- You can set the remote iPod /iPod delay time between 0 mSec and 1Sec. Set it to the optimal status.

Listening to Music (IPOD mode)

You can play music files stored in the iPod by connecting it to the product.



1. Press the **FUNCTION** button to select IPOD
2. Press the ▲▼◄► buttons to select Music.
3. Select the music file to play.
   - You can use the remote control or product to control simple playback functions such as **PLAY**, **PAUSE**, **STOP**, **I◄◄**, **►►I**, **◄◄**, **►►** and **REPEAT**.

✎ **NOTE**

- Adjust the volume to a moderate level before you connect your iPod and product.
- In Remote iPod mode and iPod mode, the product will charge your iPod's battery.

iPod Music categories

File information including the artist name, album name, music title and genre will be displayed according to the ID3 Tag information on the appropriate music file.

Artist	To play by artist.
Generic	To play by genre.
Composers	To play by composer.
Playlist	To play by Playlist.
Album	To play by album.
Songs	To play in numeric or alphabetical order

✎ **NOTE**

- The category list may differ, depending on the iPod model.
- What is an ID3 Tag?

  This is what is attached to an MP3 to carry information relevant to the file such as the title, artist, album, year, genre and a comment field.

iPod models that can be used with this product

- iPhone 4S
- iPhone 4
- iPhone 3GS

- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)

- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4rd generation)

- iPod classic

✎ **NOTE**

- "Made for iPod/iPhone" means that an electronic accessory has been designed to connect specifically to iPod/iPhone and has been certified by the developer to meet Apple performance standards.

  Made for iPod iPhone
- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
- The volume control may not operated normally with iPod models not listed above. If you have a problem with any of the models listed above, please update the software of the iPod to the lastest version.
- Depending on the software version of the iPod, control problems may occur. This is not a malfunction of this product.
- Depending on the software version or the type of the iPod, some operations may differ. Install the latest iPod software. (recommended)
- Playback of applications' contents through the product may not be guaranteed. We recommend playing contents downloaded on the iPod.
- If you have a problem using iPod, please visit www.apple.com/support/ipod

Recording Function

You can record sound of the CD, the Radio Broadcasting or sound from the external source into the USB storage device.

1. Switch the system on by pressing the **Power** button.
2. Connect the external USB storage device you want to record to the USB jack (⇤) of the main unit
3. Play a Disc, tune to a station or connect the external source to the main unit.

   CD
   - Press the **F** button on the main unit to select the DVD/CD function.
   - Press the **OPEN/CLOSE** button to open the Disc Compartment.
   - Insert a CD and press the **OPEN/CLOSE** button to close the Disc Compartment.
   - Use the CD selection (⏮ or ⏭) button to select the desired song.

   Tuner
   - Press the **F** button on the main unit to select FM.
   - Tune to a station you want to record.

   External Source
   - Connect an External Component/MP3 player to the main unit.
   - Press the **F** button to select the AUX input.
   - Play a song from the external device.

4. Press the **USB REC** button to start recording.

   CD
   - "TRACK RECORDING" is displayed and CD recording starts.
   - Press and hold the **USB REC** button to start recording the all tracks of the Disc.

     "FULL CD RECORDING" is displayed.

   - If you play the MP3/WMA file, the file is copied into the USB device totally.
   - To copy a folder, highlight desired folder first and press USB REC button, the folder is copied.

     "COPY XX"→"COPY END" is displayed. When the recording is done, "STOP" will be displayed.
   - If there is duplicating file name, "FILE EXISTED" is displayed, and the function is canceled.

   Tuner/External Source
   - "RECORDING" is displayed.

5. To stop recording, press the STOP (■) button and it automatically creates and saves recorded files in .MP3 format.
   - After the recording, a directory named "RECORDING"(CD), "CD COPY"(MP3 CD), "TUNER RECORDING" or "AUX RECORDING" will be created in your device.

✎ NOTE

- Do not disconnect the USB or the AC Cord during the recording as this may cause damage to the file..
- If you disconnected USB device during a recording, the main unit will be powered off and you may not delete the recorded file. In this case, please connect the USB device to the PC and backup the USB data on the PC first and then format the USB device.
- When the USB memory has insufficient free space, it will display "NOT ENOUGH MEMORY".
- The recording works if the USB device or the HDD is formatted in the FAT file system. (The NTFS file system is not supported.)
- When you use CD high speed search function, the CD recording doesn't work.
- Sometimes, the recording time may be longer with some USB devices.
- The equalizer is set to "OFF" automatically and becomes not available during a CD recording.
- The REPEAT function is set to "OFF" automatically and becomes not available during a CD recording.
- You can not record the radio when searching or no available station is found in the Tuner mode.
- Note that setting the input level too loud when recording music from an external device through the AUX and USB channel may cause noise into the recording. In that case, lower the external device's volume level.
- Up to 300MB of a video file can be recorded.

Recording Speed

You can select the recording speed before recording.

1. Each time you press the **CD REC SPEED** button on the remote control, the recording speed will change as following:
   RECORD SPD x 1→RECORD SPD x 3
   - While the Tuner or External Source is recording, the recording speed does not supported.
   - When you select RECORD SPD x 3, the audio sound will not be output.

Other Information

Troubleshooting

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

Symptom	Check/Remedy
I cannot eject the disc.	• Is the power cord plugged securely into the outlet? • Turn off the power and then turn it back on.
Playback does not start.	• Check the region number of the DVD. DVD discs purchased from abroad may not be playable. • CD-ROMs and DVD-ROMs cannot be played on this product. • Make sure that the rating level is correct.
Playback does not start immediately when the Play/Pause button is pressed.	• Are you using a deformed disc or a disc with scratches on the surface? • Wipe the disc clean.
Sound is not produced.	• No sound is heard during fast playback, slow playback, and step motion playback. • Are the speakers connected properly? Is the speaker setup correctly customized? • Is the disc severely damaged?
The remote control does not work.	• Is the remote control being operated within its operation range of angle and distance? • Are the batteries drained?
• Disc is rotating but no picture is produced. • Picture quality is poor and picture is shaking.	• Is the TV power on? • Are the video cables connected properly? • Is the disc dirty or damaged? • A poorly manufactured disc may not be playable.
Audio language and subtitles do not work.	• Audio language and subtitles will not work if the disc does not contain them.
The menu screen does not appear even when the menu function is selected.	• Are you using a disc that does not contain menus?
Aspect ratio cannot be changed.	• You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function.

Other Information

Symptom	Check/Remedy
• **The product is not working. (Example: The power goes out or the front panel key doesn't work or a strange noise is heard.)** • **The product is not working normally.**	• While "NO DISC" message appears on the display of the product, press and hold the **STOP** (■) button on the main unit for longer than 5 seconds with no disc is inserted (reset function). **Using the RESET function will erase all stored settings.** **Do not use this unless necessary.**
The rating level password has been forgotten.	• While "NO DISC" message appears on the display of the product, press and hold the main unit's **STOP** (■) button for longer than 5 seconds. "**INIT**" appears on the display and all settings will return to the default values. And then press the **POWER** button. **Using the RESET function will erase all stored settings.** **Do not use this unless necessary.**
Can't receive radio broadcast.	• Is the antenna connected properly? • If the antenna's input signal is weak, install an external FM antenna in an area with good reception.

Language code list

Enter the appropriate code number for OTHERS of Disc Menu, Audio and Subtitle. (See page 19).

Code	Language	Code	Language	Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1142	Greek	1239	Interlingue	1345	Malagasy	1482	Kirundi	1527	Tajik
1028	Abkhazian	1144	English	1245	Inupiak	1347	Maori	1483	Romanian	1528	Thai
1032	Afrikaans	1145	Esperanto	1248	Indonesian	1349	Macedonian	1489	Russian	1529	Tigrinya
1039	Amharic	1149	Spanish	1253	Icelandic	1350	Malayalam	1491	Kinyarwanda	1531	Turkmen
1044	Arabic	1150	Estonian	1254	Italian	1352	Mongolian	1495	Sanskrit	1532	Tagalog
1045	Assamese	1151	Basque	1257	Hebrew	1353	Moldavian	1498	Sindhi	1534	Setswana
1051	Aymara	1157	Persian	1261	Japanese	1356	Marathi	1501	Sangro	1535	Tonga
1052	Azerbaijani	1165	Finnish	1269	Yiddish	1357	Malay	1502	Serbo-Croatian	1538	Turkish
1053	Bashkir	1166	Fiji	1283	Javanese	1358	Maltese	1503	Singhalese	1539	Tsonga
1057	Byelorussian	1171	Faeroese	1287	Georgian	1363	Burmese	1505	Slovak	1540	Tatar
1059	Bulgarian	1174	French	1297	Kazakh	1365	Nauru	1506	Slovenian	1543	Twi
1060	Bihari	1181	Frisian	1298	Greenlandic	1369	Nepali	1507	Samoan	1557	Ukrainian
1069	Bislama	1183	Irish	1299	Cambodian	1376	Dutch	1508	Shona	1564	Urdu
1066	Bengali; Bangla	1186	Scots Gaelic	1300	Canada	1379	Norwegian	1509	Somali	1572	Uzbek
1067	Tibetan	1194	Galician	1301	Korean	1393	Occitan	1511	Albanian	1581	Vietnamese
1070	Breton	1196	Guarani	1305	Kashmiri	1403	(Afan) Oromo	1512	Serbian	1587	Volapuk
1079	Catalan	1203	Gujarati	1307	Kurdish	1408	Oriya	1513	Siswati	1613	Wolof
1093	Corsican	1209	Hausa	1311	Kirghiz	1417	Punjabi	1514	Sesotho	1632	Xhosa
1097	Czech	1217	Hindi	1313	Latin	1428	Polish	1515	Sundanese	1665	Yoruba
1103	Welsh	1226	Croatian	1326	Lingala	1435	Pashto, Pushto	1516	Swedish	1684	Chinese
1105	Danish	1229	Hungarian	1327	Laothian	1436	Portuguese	1517	Swahili	1697	Zulu
1109	German	1233	Armenian	1332	Lithuanian	1463	Quechua	1521	Tamil		
1130	Bhutani	1235	Interlingua	1334	Latvian, Lettish	1481	Rhaeto-Romance	1525	Tegulu		

Specifications

General	Weight	1.95 Kg
	Dimensions	230 (W) x 120 (H) x 230 (D) mm
	Operating Temperature Range	+5°C~+35°C
	Operating Humidity Range	10 % to 75 %
FM TUNER	Signal/noise ratio	55 dB
	Usable sensitivity	12 dB
	Total harmonic distortion	0.6 %
DAB	Signal/noise ratio	70 dB
	Usable sensitivity	85 dB
	Total harmonic distortion	0.2 %
Disc(1 Disc)	DVD (Digital Versatile Disc)	Reading Speed : 3.49 ~ 4.06 m/sec.
		Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.
	CD : 12 cm (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec.
		Maximum Play Time : 74 min.
Video Output	Component Video	Y : 1.0 Vp-p (75 Ω load)
		Pr : 0.70 Vp-p (75 Ω load)
		Pb : 0.70 Vp-p (75 Ω load)
Video/Audio	HDMI	1080p, 1080i, 720p, 480p(576p)
Amplifier	speaker output	60 W/CH(4 Ω/100 Hz)
	Frequency range	20Hz~20KHz
	S/N Ratio	75dB
	Channel separation	60dB
	Input sensitivity	(AUX)800mV

*: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.
- Design and specifications are subject to change without prior notice.
- For information on the power supply and power consumption, refer to the label attached to the product.

Galaxy Compatibility List

The compatibility of the following models is proved.
This product is compatible with gingerbread 2.3 version or later.

Phone Category	Model Name
▪ Australia	
S II LTE	GT-I9210
▪ Canada	
Note	SGH-I717
S II	GT-I9100
S II LTE	SGH-I727
▪ China	
Note	GT-I9220
Note	GT-I9228
Note	SCH-I889
S II	GT-I9100
S II	GT-I9108
S II	SCH-I919
▪ Germany	
Note	GT-N7000
▪ Hong Kong	
Note	GT-N7000
S II	GT-I9100
▪ India	
Note	GT-N7000
S II	GT-I9100
▪ Italy	
S II	GT-I9100

Phone Category	Model Name
▪ Japan	
Note	SGH-N054
S II	SGH-N033
S II LTE	SGH-N034
▪ Korea, Republic of	
Note	SHV-E160
S II	SHW-M250
S II LTE	SHV-E110
▪ Malaysia	
Note	GT-N7000
S II	GT-I9100
▪ Poland	
S II	GT-I9100
▪ Sweden	
S II LTE	GT-I9210
▪ Thailand	
Note	GT-N7000
▪ Trinidad & Tobago	
Note	GT-N7000
▪ Tunisia	
S II	GT-I9100
▪ Turkey	
Note	GT-N7000
▪ USA	
Note	SGH-I717
S II	SGH-I777
S II LTE	SGH-I727

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

Area	Contact Center ☎	Web Site
▪ North America		
Canada	1-800-SAMSUNG (726-7864)	www.samsung.com
Mexico	01-800-SAMSUNG (726-7864)	www.samsung.com
U.S.A	1-800-SAMSUNG (726-7864)	www.samsung.com
▪ Latin America		
Argentine	0800-333-3733	www.samsung.com
Brazil	0800-124-421 / 4004-0000	www.samsung.com
Chile	800-SAMSUNG (726-7864)	www.samsung.com
Colombia	01-8000112112	www.samsung.com
Costa Rica	0-800-507-7267	www.samsung.com
Dominica	1-800-751-2676	www.samsung.com
Ecuador	1-800-10-7267	www.samsung.com
El Salvador	800-6225	www.samsung.com
Guatemala	1-800-299-0013	www.samsung.com
Honduras	800-7919267	www.samsung.com
Jamaica	1-800-234-7267	www.samsung.com
Nicaragua	00-1800-5077267	www.samsung.com
Panama	800-7267	www.samsung.com
Peru	0-800-777-08	www.samsung.com
Puerto Rico	1-800-682-3180	www.samsung.com
Trinidad & Tobago	1-800-SAMSUNG (726-7864)	www.samsung.com
Venezuela	0-800-100-5303	www.samsung.com
▪ Europe		
Albania	42 27 5755	-
Austria	0810 - SAMSUNG (7267864, € 0.07/min)	www.samsung.com
Belgium	02-201-24-18	www.samsung.com/be (Dutch) www.samsung.com/be_fr (French)
Bosnia	05 133 1999	-
Bulgaria	07001 33 11	www.samsung.com
Croatia	062 SAMSUNG (062 726 7864)	www.samsung.com
Czech	800-SAMSUNG (800-726786) Samsung Zrt.,česká organizační složka, Oasis Florenc, Sokolovská394/17, 180 00, Praha 8	www.samsung.com
Denmark	70 70 19 70	www.samsung.com
Finland	030 - 6227 515	www.samsung.com
France	01 48 63 00 00	www.samsung.com
Germany	01805 - SAMSUNG (726-7864 € 0,14/Min)	www.samsung.com
Hungary	06-80-SAMSUNG (726-7864)	www.samsung.com
Italia	800-SAMSUNG (726-7864)	www.samsung.com
Kosovo	+381 0113216899	-
Luxemburg	261 03 710	www.samsung.com
Macedonia	023 207 777	-
Montenegro	020 405 888	-
Netherlands	0900-SAMSUNG (0900-7267864) (€ 0,10/Min)	www.samsung.com
Norway	815-56 480	www.samsung.com
Poland	0 801 1SAMSUNG (172678) / 022-607-93-33	www.samsung.com
Portugal	80820-SAMSUNG (726-7864)	www.samsung.com
Rumania	1. 08010 SAMSUNG (72678) - doar din rețeaua Romtelecom, tarif local 2. 021.206.01.10 - din orice rețea, tarif normal	www.samsung.com

Area	Contact Center ☎	Web Site
Serbia	0700 Samsung (0700 726 7864)	www.samsung.com
Slovakia	0800-SAMSUNG (726-7864)	www.samsung.com
Spain	902-1-SAMSUNG (902 172 678)	www.samsung.com
Sweden	0771 726 7864 (SAMSUNG)	www.samsung.com
Switzerland	0848-SAMSUNG (7267864, CHF 0.08/min)	www.samsung.com/ch www.samsung.com/ch_fr/(French)
UK	0330 SAMSUNG (7267864)	www.samsung.com
Eire	0818 717100	www.samsung.com
Lithuania	8-800-77777	www.samsung.com
Latvia	8000-7267	www.samsung.com
Estonia	800-7267	www.samsung.com
▪ CIS		
Russia	8-800-555-55-55	www.samsung.com
Georgia	0-800-555-555	-
Armenia	0-800-05-555	-
Azerbaijan	0-88-555-55-55	-
Kazakhstan	8-10-800-500-55-500 (GSM: 7799)	www.samsung.com
Uzbekistan	8-10-800-500-55-500	www.samsung.com
Kyrgyzstan	00-800-500-55-500	www.samsung.com
Tadjikistan	8-10-800-500-55-500	www.samsung.com
Ukraine	0-800-502-000	www.samsung.ua www.samsung.com/ua_ru
Belarus	8-10-800-500-55-500	-
Moldova	0-800-61440	-
▪ Asia Pacific		
Australia	1300 362 603	www.samsung.com
New Zealand	0800 SAMSUNG (0800 726 786)	www.samsung.com
China	400-810-5858 / 010-6475 1880	www.samsung.com
Hong Kong	(852) 3698 4698	www.samsung.com/hk www.samsung.com/hk_en/
India	3030 8282 / 1800 110011 / 1800 3000 8282 / 1800 266 8282	www.samsung.com
Indonesia	0800-112-8888 / 021-5699-7777	www.samsung.com
Japan	0120-327-527	www.samsung.com
Malaysia	1800-88-9999	www.samsung.com
Philippines	1-800-10-SAMSUNG(726-7864) / 1-800-3-SAMSUNG(726-7864) / 1-800-8-SAMSUNG(726-7864) / 02-5805777	www.samsung.com
Singapore	1800-SAMSUNG (726-7864)	www.samsung.com
Thailand	1800-29-3232 / 02-689-3232	www.samsung.com
Taiwan	0800-329-999	www.samsung.com
Vietnam	1 800 588 889	www.samsung.com
▪ Middle East		
Bahrain	8000-4726	www.samsung.com
Egypt	08000-726786	www.samsung.com
Jordan	800-22273	www.samsung.com
Morocco	080 100 2255	www.samsung.com
Oman	800-SAMSUNG (726-7864)	www.samsung.com
Saudi Arabia	9200-21230	www.samsung.com
Turkey	444 77 11	www.samsung.com
U.A.E	800-SAMSUNG (726-7864)	www.samsung.com
▪ Africa		
Nigeria	0800-SAMSUNG (726-7864)	www.samsung.com
South Africa	0860-SAMSUNG (726-7864)	www.samsung.com

Correct disposal of batteries in this product(optional)

(Applicable in the European Union and other European countries with separate battery return systems.)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

Correct Disposal of This Product (Waste Electrical & Electronic Equipment(optional)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract.
This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Code No. AH68-02549B(Rev 0.0)